

At Page 2, Line 14, before "Accordingly, the present invention provides a fluid"; please
add: --Summary of the Invention--

At Page 4, Line 6, before "Figure 1 shows a block diagram of the fluid flow"; please add:
--Brief Description of the Drawings--

At Page 4, Line 24, before "Referring to the block diagram at Figure 1 there is"; please
add: --Detailed Description Of The Preferred Embodiments--

At Page 8, Line 14, delete "10"; and substitute therefor --16--.

At Page 8, Line 29, delete "10"; and substitute therefor --16--.

At Page 9, Line 8, delete "10"; and substitute therefor --17--.

At Page 9, Line 22, delete "10"; and substitute therefor --17--.

At Page 9, Line 27, delete "10"; and substitute therefor --17--.

At Page 10, Line 7, delete "10"; and substitute therefor --18--.

At Page 10, Line 21, delete "10"; and substitute therefor --18--.

At Page 10, Line 26, delete "10"; and substitute therefor --18--.

At Page 10, Line 29, please add: --Furthermore, the various embodiments described
above are provided by way of illustration only and should not be construed to limit the invention.
Those skilled in the art will readily recognize various modifications and changes may be made to
the present invention without departing from the true spirit and scope of the present invention.
Accordingly, it is not intended that the invention be limited, except as by the appended claims.--

At Page 13, Line 21, please add: --Abstract of the Invention

A fluid flow control system for an electromagnetic pump having an electromagnetic drive (11) and a compressor (6). The control system established a required current in the compressor coils (10) to control the position and movement of the actuator (11), the actuator deflecting a diaphragm within the pump to provide the required flow. The control system includes a command signal generator (1) to create a signal representing the required flow. The signal is applied to a command processor (2) with any feedback signals (13) for example, coil current and/or actuator displacement. The command processor (2) calculates the appropriate drive signal defined by mark-space ratio, repetition rate, and amplitude. The drive signal controls the voltage supplied to the compressor coils (11) resulting in a required coil current to provide the desired flow. A dc power supply is used to avoid problems regarding main power supply and frequency.--

IN THE DRAWINGS

In Figure 4, the part number for the actuator position sensor has been changed from 10 to 16.

In Figure 5, the part number for the flow sensor has been changed from 10 to 17.

In Figure 6, the part number for the pressure sensor has been changed from 10 to 18.

Formal drawings incorporating the above changes will be sent to the Official Draftsman under separate cover.

IN THE CLAIMS

Please delete claim 14.